

## UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE <b>February 1999</b>		
BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>				PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>						
COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	7,318	7,087	8,705	8,822	8,933	9,236	9,428	9,624	TBD	TBD
P771 JTIDS	590	574	618	610	0	0	0	0	0	266,145*
4749 Link 16 System Integration	6,728	6,513	8,087	8,212	8,933	9,236	9,428	9,624	TBD	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

\* Note: Prior to FY98 all JTIDS and Link 16 System Integration funds were combined into the single P771 Project. Therefore, the total cost figure for Project P771 includes all the funding for this PE prior to FY98, at which time the PE was converted into two projects.

**(U) A. Mission Description**

Joint Tactical Information Distribution System (JTIDS) is a secure, jam-resistant, high-capacity data link for use in a tactical combat environment. JTIDS broadcasts Link 16 (TADIL J) messages, free text, imagery and voice. It provides interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. JTIDS is used by the Air Force, Army, Navy, and Marine Corps Theater Command and Control (C2) elements, weapons platforms, and sensors.

The number of Air Force platforms hosting Link-16 is expanding, from C2 aircraft (E-3, E-8, etc.) into the fighter, bomber, sensor, tanker, and other tactical fleets (F-15, F-16, RJ, ABCCC, B-2, B-52, etc.). Utilization of Link-16 in a joint environment requires the integration of terminals into these host platforms, and interoperability of Link-16 nets across all deployed joint and allied platforms. Cross-platform activities performed by the Link 16 System Integration Office (SIO) include: integration efforts encompassing hardware, software, operational, and logistics development, certification of individual Link-16 implementations to joint and allied standards, establishment of Service-wide net management procedures and operations, and test and sustainment activities.

The JTIDS project office provides the user with JTIDS 2/2H terminals, as well as all of the acquisition support, technical assistance and integration necessary to operationally field, retrofit, and assist all of the platforms.

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## RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 1999

BUDGET ACTIVITY

**5 - Engineering and Manufacturing Development**

PE NUMBER AND TITLE

**0604754F Joint Tactical Information Distribution System****(U) B. Budget Activity Justification**

This program is in budget activity 5 (Engineering Manufacturing and Development) because it supports development, integration solutions, fielding, operational support activities, and support of special projects.

**(U) C. Program Change Summary (\$ in Thousands)**

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
(U) Previous President's Budget (FY99)	7,374	7,956	8,863	8,989	TBD
(U) Appropriated Value	8,557	7,956			
(U) Adjustments to Appropriated Value					
a. Cong Reductions	-991	-869			
b. SBIR	-193				
c. Omnibus or Other Above Threshold Reprogram	-50				
d. Below Threshold Reprogramming	-5				
(U) Adjustments to Budget Years Since FY 1999 PB			-158	-167	
(U) Current Budget Submit/FY2000 PB	7,318	7,087	8,705	8,822	TBD

(U) Significant Program Changes: None  
 FY99: \$189 identified as a source for SBIR

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BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>					PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>				PROJECT <b>P771</b>	

  

COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
P771 JTIDS	590	574	618	610	0	0	0	0	0	266,145

\* **Note:** Prior to FY98 all JTIDS and Link 16 System Integration funds were combined into the single P771 Project. Therefore, the total cost figure for Project P771 includes all the funding for this PE prior to FY98, at which time the PE was converted into two projects.

**(U) A. Mission Description**

Joint Tactical Information Distribution System (JTIDS) is a secure, jam-resistant, high-capacity data link for use in a tactical combat environment. JTIDS broadcasts Link 16 (TADIL J) messages, free text, imagery and voice. It provides the interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. JTIDS is used by the Air Force, Army, Navy, and Marine Corps Theater Command and Control (C2) elements, weapons platforms, and sensors.

The JTIDS project office provides the user with JTIDS 2/2H terminals, as well as all of the acquisition support, technical assistance and integration necessary to operationally field, retrofit, and assist all of the platforms.

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BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>	PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>	PROJECT <b>P771</b>

  

(U) FY 1998 (\$ in Thousands):

- (U) \$ 200      Acquisition Support
  - (U) Write, execute and administer contracts for multiple platforms
  - (U) Command and Control Terminal Acquisition Support
  - (U) Ongoing technical and programmatic support for JTIDS users
- (U) \$ 340      Technical Support
  - (U) Technical Improvements
    - Technical support to AF platforms for the purpose of integrating and executing product improvements
  - (U) Assist in technical trouble shooting, hardware availability, and support equipment for interoperability certifications
  - (U) Manage Pre-Operational support of Class 2/2H hardware
  - (U) Develop and coordinate terminal usage schedules for platforms developing JTIDS capability
- (U) \$ 50      Diminishing Manufacturing Resources
  - (U) Identify problem electrical parts, assess impacts, develop, and implement resolution plans
- (U) \$ 590      Total

(U) FY 1999 (\$ in Thousands):

- (U) \$ 268      Acquisition Support
  - (U) Write, execute and administer contracts for multiple platforms
  - (U) Command and Control Terminal Acquisition Support
  - (U) Ongoing technical and programmatic support for JTIDS users
- (U) \$ 306      Technical Support
  - (U) Technical Improvements
    - Technical support to AF platforms for the purpose of integrating and executing product improvements
    - Technology Updates (e.g., advanced hardware and software) to ensure the system remains interoperable throughout it's life
  - (U) Assist technical trouble shooting, hardware availability, and support equipment for interoperability certifications and joint exercises
  - (U) Manage Pre-Operational support of Class 2/2H hardware
  - (U) Develop and coordinate terminal usage schedules for platforms developing JTIDS capability
- (U) \$ 574      Total

  

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BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>		PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b> PROJECT <b>P771</b>
<p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>- (U) \$ 268      Acquisition Support <ul style="list-style-type: none"> <li>-- (U) Write, execute and administer contracts for multiple platforms</li> <li>-- (U) Command and Control Terminal Acquisition Support</li> <li>-- (U) Ongoing technical and programmatic support for JTIDS users</li> </ul> </li> <li>- (U) \$ 300      Technical Support <ul style="list-style-type: none"> <li>-- (U) Technical Improvements <ul style="list-style-type: none"> <li>-- Technical support to AF platforms for the purpose of integrating and executing product improvements</li> <li>-- Technology Updates (e.g., advanced hardware and software) to ensure the system remains interoperable throughout it's life</li> </ul> </li> <li>-- (U) Assist technical trouble shooting, hardware availability, and support equipment for interoperability certifications and joint exercises</li> <li>-- (U) Manage Pre-Operational support of Class 2/2H hardware</li> <li>-- (U) Develop and coordinate terminal usage schedules for platforms developing JTIDS capability</li> </ul> </li> <li>- (U) \$ 50      Diminishing Manufacturing Resources <ul style="list-style-type: none"> <li>-- (U) Identify problem electrical parts, assess impacts, develop, and implement resolution plans</li> </ul> </li> <li>- (U) \$ 618      Total</li> </ul> <p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>- (U) \$ 268      Acquisition Support <ul style="list-style-type: none"> <li>-- (U) Write, execute and administer contracts for multiple platforms</li> <li>-- (U) Command and Control Terminal Acquisition Support</li> <li>-- (U) Ongoing technical and programmatic support for JTIDS users</li> </ul> </li> <li>- (U) \$ 292      Technical Support <ul style="list-style-type: none"> <li>-- (U) Technical Improvements <ul style="list-style-type: none"> <li>-- Technical support to AF platforms for the purpose of integrating and executing product improvements</li> <li>-- Technology Updates (e.g., advanced hardware and software) to ensure the system remains interoperable throughout it's life</li> </ul> </li> <li>-- (U) Assist technical trouble shooting, hardware availability, and support equipment for interoperability certifications and joint exercises</li> <li>-- (U) Develop and coordinate terminal usage schedules for platforms developing JTIDS capability</li> </ul> </li> <li>- (U) \$ 50      Diminishing Manufacturing Resources <ul style="list-style-type: none"> <li>-- (U) Identify problem electrical parts, assess impacts, develop, and implement resolution plans</li> </ul> </li> <li>- (U) \$ 610      Total</li> </ul>		
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BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>					PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>			PROJECT <b>P771</b>		
<b>(U) B. <u>Project Change Summary - Description of Significant Changes:</u></b>										
No Changes										
<b>(U) C. <u>Other Program Funding Summary (\$ in Thousands)*</u></b>										
	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>To Compl</u>	<u>Total Cost</u>
(U) Other Proc AF, 83410, AWACS	25	0	0	0	0	0	0	0	0	47,225
(U) Other Proc AF, 10E08B, JSTARS	0	0	0	0	0	0	0	0	0	15,800
(U) Other Proc AF, 8038010, MCE	100	0	0	0	0	0	0	0	0	106,900
(U) Other Proc AF, 19RCON, AIA	4,000	1,600	0	0	0	0	0	0	0	18,500
* Other Program Funding reflects procurement of JTIDS terminals only. There are other USAF programs (F-15, F-16) that are budgeted to procure MIDS terminals in the FY98-FY05 timeframe.										
<b>(U) <u>Related RDT&amp;E:</u></b>										
(U) Program Element 0604770F / 0207581F E-8 (Joint STARS)										
(U) Program Element 0207417F E-3 (AWACS)										
(U) Program Element 0207412F Modular Control Equipment (MCE)										
(U) Program Element 0207419F Airborne Battlefield Command and Control Center (ABCCC)										
(U) Program Element 0305154F AIA										
<b>(U) D. <u>Acquisition Strategy</u></b>										
The JTIDS program office continues to manage the acquisition for the JTIDS Class 2/2H terminals for the Air Force , Navy, and Marine Corps. The Class 2M terminal is now the responsibility of the Army program office. Future acquisition of the Link 16 communications component (MIDS family) is now the responsibility of the Navy's Multifunctional Information Distribution System (MIDS) Joint International Program Office. Host platforms program and budget for JTIDS, MIDS (Fighter Data Link (FDL) and Low Volume Terminal derivatives) production terminals and for installation into operational units.										
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<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)</b>													DATE <b>February 1999</b>			
BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>							PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>							PROJECT <b>P771</b>		
(U) E. <u>Schedule Profile</u>																
		<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
(U) New Software Releases (Yearly event)	*					X				X				X		
(U) Contract Milestones																
- FY 99 Exercise 1-yr procurement option FRP-2 contract									X							
- FY 00 Exercise 1-yr procurement option to FRP-2													X			
(U) EFX99								X								
(U) Host Platform Integration Start																
- B-1B JTIDS Class 2										X						
(U) Command and Control Platforms																
- AWACS Link 16 Qual Complete								X								
- JSTARS																
Complete Baseline Integration								X								
- MCE (P3I)																
Installation Start				*												
Installation Complete												X				
X denotes planned event																
* denotes completed event																
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 1999			
BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>					PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>					PROJECT <b>P771</b>	
<b>(U) A. <u>Project Cost Breakdown (\$ in Thousands)</u></b>											
					<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>			
(U)	Acquisition Support				200	268	268	268			
(U)	Technical Support				340	306	300	292			
(U)	Diminishing Manufacturing Resources				50	0	50	50			
(U)	Total				590	574	618	610			
<b>(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u></b>											
<b>Performing Organizations:</b>											
Contractor or Government Performing <u>Activity</u>	Contract Method/Type or Funding <u>Vehicle</u>	Award or Obligation <u>Date</u>	Performing Activity <u>EAC</u>	Project Office <u>EAC</u>	Total Prior to <u>FY 1998</u>	Budget <u>FY 1998</u>	Budget <u>FY 1999</u>	Budget <u>FY 2000</u>	Budget <u>FY 2001</u>	Budget to Complete	<u>Total Program</u>
<b>Product Development Organizations</b>											
GEC-MARCONI	FFP	DEC 85	80,727	80,727	80,727	0	0	0	0	0	80,727
LOCKHEED	FFP	JUN 93	6,761	6,761	6,761	0	0	0	0	0	6,761
GEC-MARCONI	FFP	JUN 93	1,123	1,123	850	0	83	95	95	0	1,123
CACD	FFP	JUN 93	1,616	1,616	1,072	0	166	188	190	0	1,616
MCAIR	CPFF	MAR 94	2,434	2,434	2,434	0	0	0	0	0	2,434
RADC	PO/616	Various	3,067	3,067	3,067	0	0	0	0	0	3,067
WR-ALC	PO/616	Various	2,966	2,966	2,966	0	0	0	0	0	2,966
NADEP	MIPR	Various	1,030	1,030	795	235	0	0	0	0	1,030
ACSI	FFP	SEP 94	492	492	492	0	0	0	0	0	492
VIASAT, INC.	FFP	Various	815	815	815	0	0	0	0	0	815
AF Platforms	PO/616	Various	169	169	169	0	0	0	0	0	169
NORTHROP GR	FFP	AUG 97	500	500	500	0	0	0	0	0	500
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 1999	
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development					PE NUMBER AND TITLE 0604754F Joint Tactical Information Distribution System					PROJECT P771	
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
ROCKWELL	FFP	Various	2,080	2,080	2,080	0	0	0	0	0	2,080
HUGHES	FFP	Various	133	133	133	0	0	0	0	0	133
DRC	FFP	MAY 97	213	213	213	0	0	0	0	0	213
MIDSCO, Inc	MIPR	Various	4,251	4,251	4,251	0		0	0		4,251
MOTOROLA INC	FFP	Various	1,800	1,800	1,800	0	0	0	0	0	1,800
ALLIED SIGNAL	CPFF	Various	75	75	75	0	0	0	0	0	75
MCDONNELL DG	FFP	Various	2,582	2,582	2,582	0	0	0	0	0	2,582
BOEING	FFP	Various	869	869	869	0	0	0	0	0	869
<u>Support and Management Organizations</u>											
ESC	Various	Various	21,875	21,875	21,425	54	132	132	132	0	21,875
CONTRACTOR SUPPORT	Various	Various	42,863	42,863	42,548	201	38	38	38	0	42,863
MITRE	FPLOE	Various	85,319	85,319	84,959	0	120	120	120	0	85,319
<u>Test and Evaluation Organizations</u>											
MT HOME AFB	PO/616	Various	416	416	416	0	0	0	0	0	416
EGLIN AFB	PO/616	Various	1,969	1,969	1,754	100	35	45	35	0	1,969

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 1999		
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604754F Joint Tactical Information Distribution System					PROJECT P771	
(U) B. <u>Budget Acquisition History and Planning Information Continued (\$ in Thousands)</u>										
Government Furnished Property:										
Item	Contract Method/Type or Funding	Award or Obligation	Delivery	Total Prior to	Budget	Budget	Budget	Budget	Budget to	Total
<u>Description</u>	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>	<u>FY 1998</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
<u>Product Development Property</u>										
N/A										
<u>Support and Management Property</u>										
N/A										
<u>Test and Evaluation Property</u>										
N/A										
Subtotal Product Development				112,651	235	249	283	285	0	113,703
Subtotal Support and Management				148,932	255	290	290	290	0	150,057
Subtotal Test and Evaluation				2,170	100	35	45	35	0	2,385
Total Project				263,753	590	574	618	610	0	266,145
Project P771										
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Exhibit R-3 (PE 0604754F)										

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<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)</b>								DATE <b>February 1999</b>		
BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>					PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>				PROJECT <b>4749</b>	

  

COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
4749 Link 16 System Integration	6,728	6,513	8,087	8,212	8,933	9,236	9,428	9,624	TBD	TBD

  

**(U) A. Mission Description**

Joint Tactical Information Distribution System (JTIDS) is a secure, jam-resistant, high-capacity data link for use in a tactical combat environment. JTIDS broadcasts Link 16 (TADIL J) messages, free text, imagery and voice. It provides the interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. JTIDS is used by the Air Force, Army, Navy, and Marine Corps Theater Command and Control (C2) elements, weapons platforms, and sensors.

The number of Air Force platforms hosting Link-16 is expanding, from C2 aircraft (E-3, E-8, etc.) into the fighter, bomber, sensor, tanker, and other tactical fleets (F-15, F-16, RJ, ABCCC, B-2, B-52, etc.). Utilization of Link-16 in a joint environment requires the integration of terminals into these host platforms, and interoperability of Link-16 nets across all deployed joint and allied platforms. Cross-platform activities performed by the Link 16 System Integration Office (SIO) include: integration efforts encompassing hardware, software, operational, and logistics development, certification of individual Link-16 implementations to joint and allied standards, establishment of Service-wide net management procedures and operations, and test and sustainment activities. In addition, the SIO is supporting the integration of Link 16 into the Icelandic Air Defense System; charged with building the Air Force's architecture to control information management to the warfighter; and has management responsibility for the Air Force's Air Defense System Integration systems.

(U) FY 1998 (\$ in thousands)

- (U) \$ 4,436 LINK-16 INTEGRATION: Efforts associated with hardware and software integration of Link 16 terminals into Air Force platforms.
  - (U) On-going Engineering Integration Support to Platforms; Technical Improvements; Field Support; Technical Assistance to Link 16 Demonstration Programs; Support CAF/Joint Certification Testing, Operational Contingencies, Multi-Service Operational Tests, Exercises, and Evaluations; Communication Support; Link-16 Gateways/Interfaces.
- (U) \$ 2,292 LINK-16 EMD SUPPORT: Efforts associated with fielding terminals.
  - (U) Support Operations Support Working Group; Maintain Developmental Equipment; Test Support; Fielding/Non-Recurring Training; Network Support; Crypto Support; Spectrum Support.
- (U) \$ 6,728 Total

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(U) FY 1999 (\$ in thousands)

- (U) \$ 4,137 LINK-16 INTEGRATION: Efforts associated with hardware and software integration of Link 16 terminals into Air Force platforms.
  - (U) On-going Engineering Integration Support to Platforms; Technical Improvements; Field Support; Technical Assistance to Link 16 Demonstration Programs; Support CAF/Joint Certification Testing, Operational Contingencies, Multi-Service Operational Tests, Exercises, and Evaluations; Communication Support; Link-16 Gateways/Interfaces.
- (U) \$ 2,187 LINK-16 EMD SUPPORT: Efforts associated with fielding terminals.
  - (U) Support Operations Support Working Group; Maintain Developmental Equipment; Test Support; Fielding/Non-Recurring Training; Network Support; Crypto Support; Spectrum Support.
- (U) \$ 189 Identified as a source for SBIR
- (U) \$ 6,513 Total

(U) FY 2000 (\$ in Thousands)

- (U) \$ 5,527 LINK-16 INTEGRATION: Efforts associated with hardware and software integration of Link 16 terminals into Air Force platforms.
  - (U) On-going Engineering Integration Support to Platforms; Technical Improvements; Field Support; Technical Assistance to Link 16 Demonstration Programs; Support CAF/Joint Certification Testing, Operational Contingencies, Multi-Service Operational Tests, Exercises, and Evaluations; Communication Support; Link-16 Gateways/Interfaces.
- (U) \$ 2,560 LINK-16 EMD SUPPORT: Efforts associated with fielding terminals.
  - (U) Support Operations Support Working Group; Maintain Developmental Equipment; Test Support; Fielding/Non-Recurring Training; Network Support; Crypto Support; Spectrum Support.
- (U) \$ 8,087 Total

(U) FY 2001 (\$ in Thousands)

- (U) 5,644 LINK-16 INTEGRATION: Efforts associated with hardware and software integration of Link 16 terminals into Air Force platforms.
  - (U) On-going Engineering Integration Support to Platforms; Technical Improvements; Field Support; Technical Assistance to Link 16 Demonstration Programs; Support CAF/Joint Certification Testing, Operational Contingencies, Multi-Service Operational Tests, Exercises, and Evaluations; Communication Support; Link-16 Gateways/Interfaces.
- (U) 2,568 LINK-16 EMD SUPPORT: Efforts associated with fielding terminals.
  - (U) Support Operations Support Working Group; Maintain Developmental Equipment; Test Support; Fielding/Non-Recurring Training; Network Support; Crypto Support; Spectrum Support.
- (U) \$ 8,212 Total

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BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>	PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>	
PROJECT <b>4749</b>		

  

(U) **B. Project Change Summary (\$ in Thousands)**  
 No significant changes

(U) **C. Other Program Funding Summary (\$ in Thousands)**  
 None

(U) **D. Acquisition Strategy**  
 The Air Force Link 16 System Integration Office (SIO) provides for common development of integration and interoperability across all Air Force platforms and ensures that Link 16 is procured and maintained as a joint, end-to-end, command and control system. Host platforms program and budget for JTIDS or MIDS (Fighter Data Link (FDL) and Low Volume Terminal derivatives) production terminals and for installation into operational units.

(U) **E. Schedule Profile**

	<u>FY 1998</u>			<u>FY 1999</u>			<u>FY 2000</u>			<u>FY 2001</u>		
	1	2	3	4	1	2	3	4	1	2	3	4
(U) FDL Testing												
- Initial Operational Assessment		*										
- QT&E/QOT&E Complete				*								
- Flight QOT&E Complete					X							
(U) Contract Milestones												
- Link 16/VMF Gateway Complete								X				
- Time Slot Reallocation Complete								X				
- Enhanced Throughput Complete								X				
- FDL Pilot Production Start		*										
- FDL Initial Rate Production								X				
- FDL Full Rate Production									X			
- LVT - F-16 production										X		

Project 4749
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Exhibit R-2 (PE 0604754F)

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)													DATE February 1999			
BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>							PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>							PROJECT <b>4749</b>		
<u>FY 1998</u>							<u>FY 1999</u>				<u>FY 2000</u>			<u>FY 2001</u>		
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
(U) Host Platform Integration Start																
- F-15E (thru FY01)	*														X	
- F-15C/D Installation/Training							X								X	
(start)																
- F-16 (thru FY04)	*															
- Compass Call (thru FY02)						X										
- Airborne Laser (ABL)	*															
(U) Command and Control Platforms																
- AWACS Link 16 Qual Complete							X									
- JSTARS																
Complete Baseline Integration						X										
- MCE (P3I)																
Installation Start					X											
Installation Complete											X					
-IADS (thru FY07)															X	
* Denotes completed events																
X Denotes planned events																

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 1999	
BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>					PE NUMBER AND TITLE <b>0604754F Joint Tactical Information Distribution System</b>					PROJECT <b>4749</b>	
<b>(U) A. <u>Project Cost Breakdown (\$ in Thousands)</u></b>											
					<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>			
(U)	Link-16 Integration				4,436	4,137	5,527	5,644			
(U)	EMD Activities				2,292	2,187	2,560	2,568			
(U)	Identified as a source for SBIR					189					
(U)	TOTAL				6,728	6,513	8,087	8,212			
<b>(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u></b>											
Performing Organizations:											
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
Identified as a source for SBIR								189			
<u>Product Development Organizations</u>											
MIDSCO, Inc	MIPR	TBD			0	114	577	600	624	Continue	TBD
<u>Support and Management Organizations</u>											
ESC	Various	Various			0	521	157	193	200	Continue	TBD
CONTRACTOR	Various	Various			0	1,076	1,405	2,642	2,575	Continue	TBD
SUPPORT											
MITRE	FPLOE	Various			0	4,165	3,985	4,652	4,813	Continue	TBD
Project 4749											
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Exhibit R-3 (PE 0604754F)											

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 1999			
BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT		
5 - Engineering and Manufacturing Development				0604754F Joint Tactical Information Distribution System				4749		
<u>Test and Evaluation Organizations</u>										
EGLIN AFB	PO/616	Various		0	852	200	0	0	Continue	TBD
Government Furnished Property: Not Applicable										
Identified as a source for SBIR						189				
Subtotal Product Development				0*	114	577	600	624	Continue	TBD
Subtotal Support and Management				0*	5,762	5,547	7,487	7,588	Continue	TBD
Subtotal Test and Evaluation				0*	852	200	0	0	Continue	TBD
Total Project				0*	6,728	6,513	8,087	8,212	Continue	TBD
<p>* Note: Prior to FY98 all JTIDS and Link 16 System Integration funds were combined into the single P771 Project. Therefore, any Link 16 System Integration funds executed prior to FY98 are reflected in the project P771 documentation.</p>										